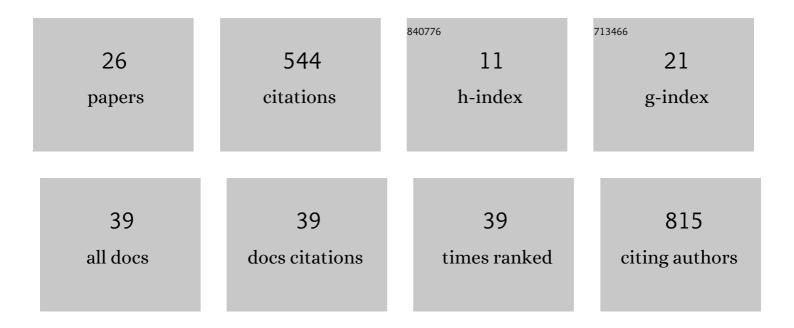
## Alpha Tom Kodamullil

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/2344909/publications.pdf Version: 2024-02-01



#	Article	IF	CITATIONS
1	COVID-19 Knowledge Graph: a computable, multi-modal, cause-and-effect knowledge model of COVID-19 pathophysiology. Bioinformatics, 2021, 37, 1332-1334.	4.1	70
2	Comorbidity Analysis between Alzheimer's Disease and Type 2 Diabetes Mellitus (T2DM) Based on Shared Pathways and the Role of T2DM Drugs. Journal of Alzheimer's Disease, 2017, 60, 721-731.	2.6	55
3	Bioinformatics Mining and Modeling Methods for the Identification of Disease Mechanisms in Neurodegenerative Disorders. International Journal of Molecular Sciences, 2015, 16, 29179-29206.	4.1	47
4	Computable causeâ€endâ€effect models of healthy and Alzheimer's disease states and their mechanistic differential analysis. Alzheimer's and Dementia, 2015, 11, 1329-1339.	0.8	46
5	Tracing investment in drug development for Alzheimer disease. Nature Reviews Drug Discovery, 2017, 16, 819-819.	46.4	45
6	Multimodal mechanistic signatures for neurodegenerative diseases (NeuroMMSig): a web server for mechanism enrichment. Bioinformatics, 2017, 33, 3679-3681.	4.1	39
7	PDON: Parkinson's disease ontology for representation and modeling of the Parkinson's disease knowledge domain. Theoretical Biology and Medical Modelling, 2015, 12, 20.	2.1	29
8	The COVID-19 Ontology. Bioinformatics, 2021, 36, 5703-5705.	4.1	27
9	Training and evaluation corpora for the extraction of causal relationships encoded in biological expression language (BEL). Database: the Journal of Biological Databases and Curation, 2016, 2016, baw113.	3.0	24
10	Of Mice and Men: Comparative Analysis of Neuro-Inflammatory Mechanisms in Human and Mouse Using Cause-and-Effect Models. Journal of Alzheimer's Disease, 2017, 59, 1045-1055.	2.6	18
11	On the influence of several factors on pathway enrichment analysis. Briefings in Bioinformatics, 2022, 23, .	6.5	17
12	Linking COVID-19 and Heme-Driven Pathophysiologies: A Combined Computational–Experimental Approach. Biomolecules, 2021, 11, 644.	4.0	16
13	Using Drugs as Molecular Probes: AÂComputational Chemical Biology Approach in Neurodegenerative Diseases. Journal of Alzheimer's Disease, 2017, 56, 677-686.	2.6	14
14	A method for the rational selection of drug repurposing candidates from multimodal knowledge harmonization. Scientific Reports, 2021, 11, 11049.	3.3	12
15	Computational Modelling Approaches on Epigenetic Factors in Neurodegenerative and Autoimmune Diseases and Their Mechanistic Analysis. Journal of Immunology Research, 2015, 2015, 1-10.	2.2	11
16	STonKGs: a sophisticated transformer trained on biomedical text and knowledge graphs. Bioinformatics, 2022, 38, 1648-1656.	4.1	11
17	Reasoning over genetic variance information in cause-and-effect models of neurodegenerative diseases. Briefings in Bioinformatics, 2016, 17, 505-516.	6.5	10
18	Data-Driven Modeling of Knowledge Assemblies in Understanding Comorbidity Between Type 2 Diabetes Mellitus and Alzheimer's Disease. Journal of Alzheimer's Disease, 2020, 78, 87-95.	2.6	10

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#	Article	IF	CITATIONS
19	Machine Learning Based Prediction of COVID-19 Mortality Suggests Repositioning of Anticancer Drug for Treating Severe Cases. Artificial Intelligence in the Life Sciences, 2021, 1, 100020.	2.2	6
20	Benchmarking table recognition performance on biomedical literature on neurological disorders. Bioinformatics, 2022, 38, 1624-1630.	4.1	4
21	Integrative data semantics through a model-enabled data stewardship. Bioinformatics, 2022, 38, 3850-3852.	4.1	4
22	Quantifying mechanisms in neurodegenerative diseases (NDDs) using candidate mechanism perturbation amplitude (CMPA) algorithm. BMC Bioinformatics, 2019, 20, 494.	2.6	3
23	DecoPath: a web application for decoding pathway enrichment analysis. NAR Genomics and Bioinformatics, 2021, 3, lqab087.	3.2	3
24	Towards a global investigation of transcriptomic signatures through co-expression networks and pathway knowledge for the identification of disease mechanisms. Nucleic Acids Research, 2021, 49, 7939-7953.	14.5	3
25	Elucidating gene expression patterns across multiple biological contexts through a large-scale investigation of transcriptomic datasets. BMC Bioinformatics, 2022, 23, .	2.6	3
26	A Systems Biology Approach for Hypothesizing the Effect of Genetic Variants on Neuroimaging Features in Alzheimer's Disease. Journal of Alzheimer's Disease, 2021, 80, 831-840.	2.6	2